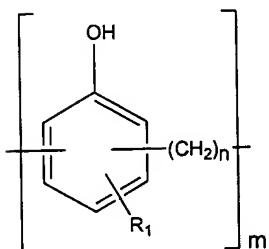


AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (Currently Amended) A jet fuel composition comprising
 - (i) a jet fuel; and
 - (ii) a phenolic additive consisting of a compound of Formula I



Formula I

wherein m is 1;

wherein n is 0;

wherein R1 is a branched alkyl group; and

wherein and R1 has a molecular weight of 500 to 2500; said additive being free from substituted phenol/epichlorohydrin/amine adducts.

2. (Original) A jet fuel composition according to claim 1 further comprising (iii) an antioxidant.

3. (Previously presented) A jet fuel composition according to claim 1 further comprising (iv) a metal deactivator.

Claims 4-7 (Canceled)

8. (Previously presented) A jet fuel composition according to claim 1 wherein R1 is a C12-C200 group.

9. (Previously presented) A jet fuel composition according to claim 1 wherein R1 is a C40-C180 group.

10. (Canceled)

11. (Previously presented) A jet fuel composition of claim 1 wherein R₁ is a poly(branched alkenyl) group.

12. (Previously presented) A jet fuel composition according to claim 1 wherein R₁ is polyisobutene (PIB).

13. (Canceled)

14. (Canceled)

15. (Previously presented) A jet fuel composition according to claim 1 wherein R₁ has a molecular weight of approximately 750.

16. (Previously presented) A jet fuel composition according to claim 1 wherein R₁ has a molecular weight of approximately 1000.

17. (Previously presented) A jet fuel composition according to claim 1 wherein R₁ has a molecular weight of approximately 2300.

Claims 18-30 (Canceled)

31. (Previously presented) A jet fuel composition according to claim 2 wherein the antioxidant is a phosphonate.

32. (Original) A jet fuel composition according to claim 31 wherein the antioxidant is dilauryl phosphonate.

33. (Previously presented) A jet fuel composition according to claim 3 wherein the metal deactivator is N,N'-disalicylidene 1,2-propanediamine.

34. (Previously presented) A jet fuel composition according to claim 1 wherein the compound of Formula I is present in an amount of 50-200mg/L.

35. (Previously presented) A jet fuel composition according to claim 1 wherein the compound of Formula I is present in an amount of 80-120mg/L.

36. (Previously presented) A jet fuel composition according to claim 2 wherein the antioxidant is present in an amount of 1-50mg/L.

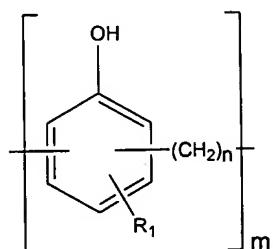
37. (Original) A jet fuel composition according to claim 36 wherein the antioxidant is present in an amount of 1-30mg/L.

38. (Previously presented) A jet fuel composition according to claim 3 wherein the metal deactivator is present in an amount of 0.05 – 10mg/L.

39. (Original) A jet fuel composition according to claim 38 wherein the metal deactivator is present in an amount of 0.5 – 5mg/L.

Claims 40-44 (Canceled)

45. (Currently Amended) A method for inhibiting deposit formation in a jet fuel at a temperature of from 100 to 335°C, the method comprising combining with the jet fuel a phenolic additive consisting of a compound of Formula I



Formula I

wherein m is 1;

wherein n is 0;

wherein R₁ is a branched alkyl group; and

wherein R₁ has a molecular weight of 500 to 2500; said additive being free from substituted phenol/epichlorohydrin/amine adducts.

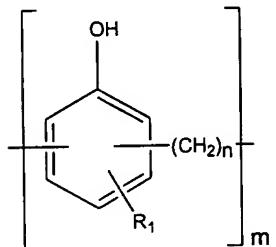
Claims 46-49 (Canceled)

50. (Canceled)

51. (Canceled)

52. (Canceled)

53. (Previously presented) A method of inhibiting the oxidation of a jet fuel composition comprising adding to a jet fuel a phénolic additive consisting of the compound of Formula I



Formula I

wherein m is 1;

wherein n is 0;

wherein R₁ is a branched alkyl group and having a molecular weight of 500 to 2500 to thereby forming a mixture.

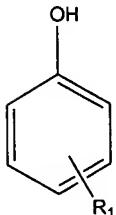
54. (Previously presented) The method of claim 53 further comprising pre-combustion heating of the mixture.

55. (Previously presented) The method of claim 53 further comprising adding to one of the jet-fuel or the mixture at least one from the group consisting of an antioxidant, a corrosion inhibitor, a lubricity improver, a metal deactivator, a leak detection additive, a special purpose additive, an anti-icing additive, and a static dissipater.

56. (Canceled)

57. (New) A jet fuel composition comprising

- (i) a jet fuel;
- (ii) a deposit inhibiting additive, wherein the deposit inhibiting additive consists essentially of phenolic compounds of formula (I)



Formula I

wherein R₁ is a branched alkyl group having a molecular weight of 500 to 2500; and

- (iii) at least one antioxidant selected from the group consisting of hindered phenol antioxidants and phosphorus-containing antioxidants.